

CHAPTER 3

MATERIEL SUPPORT DIVISION (MSD)

Section 3A—MATERIEL SUPPORT DIVISION (MSD).

3.1. Chapter Summary. The MSD microcomputer software system was developed to provide MSD Resource Advisors at base level with the capability of accumulating MSD transaction data for the purpose of monitoring charges and credits for budget code 8 MSD supply transactions. This program is not intended to be utilized as a management tool for monitoring your O&M dollars and does not replace the current listings and reports you are provided by the SBSS or the financial systems. This chapter defines the hardware and software requirements, the download procedures and the procedures required to use the system. [Attachment 3A-1](#) through [Attachment 3A-8](#) provide the user examples of screens and the text file format used to download the MSD transactions to a flat file, then to load/build to the Resource Advisors (RAs) PC database.

3.2. Overview.

3.2.1. Purpose. This section describes the process of the MSD microcomputer software system. This system accepts standard ASCII text files from either floppy or hard drive and imports them to the MSD database. It provides the user with the capability of accumulating MSD transaction data for the purpose of monitoring charges and credits. The MSD transaction file is created on the U2200 SBLC by the D26/NGV798 MSD Summary Download Program. The text file is downloaded to floppy diskette by the RPS personnel at the SBSS, who will forward the floppy diskette to the Resource Advisors at wing/base level. The Resource Advisor will distribute this file to the MSD monitors throughout the base. Monitors will load the transactions to the MSD database daily in order to maintain an up-to-date database for monitoring MSD expenditures.

3.2.2. Scope. This section has application to MSD Resource Advisors. It provides Resource Advisors with a tool to monitor transactions that affect BC 8 items on a daily basis for the Wing RAs or equivalent and lower echelons.

3.2.3. References.

3.2.3.1. Part 2, chapter 5, [attachment 5B-4](#), D04/NGV804 Daily Document Register.

3.2.3.2. Part 2, chapter 5, [attachment 5B-26](#), D26/NGV798 MSD Summary Download Program.

3.2.4. Security Responsibilities. Security measures are the responsibility of the applicable end users. The security guidelines are identified in part 4, chapter 2, [section 2C](#).

3.3. Software And Hardware Requirements.

3.3.1. Physical attributes of the PC are at the discretion of the user. The following is a minimum hardware/software specification for MSD:

3.3.1.1. 486/66 MHZ Central Processing Unit

3.3.1.2. Minimum of 16 megabyte (MB) of Random Access Memory

3.3.1.3. 35 MB available disk space

3.3.1.4. Super video graphics array for color display

3.3.1.5. Windows 95

3.3.1.6. Access to a network

3.3.1.7. Access to World Wide Web sites

3.4. MSD Transactions.

3.4.1. See part 2, chapter 5, [attachment 5B-26](#), for the selection criteria used for identifying MSD transactions needed by the MSD microcomputer software system.

3.4.2. Transactions will then be selected and placed in a flat file on the U2200 by the D26/NGV798 MSD Summary Download Program. This program will create a text file for download to a flat file by using the Mainframe to PC File Transfer - NGV293, referenced in [part 4](#). The RPS personnel should use NGV293 or DataXpress only (see [Attachment 3A-1](#)) to download the text file to a floppy diskette. The downloaded file must be in the same format as shown in [Attachment 3A-2](#) of this documentation.

3.5. Terms and Definitions.

3.5.1. Markup Price. Markup price is the difference between the standard price and the exchange price. It is a penalty price charged when the customer has reparable (XD) assets still in the repair cycle after 60 days, with the following exceptions: those in due-in from maintenance (DIFM) status, AWP, DWP, (nnP), CTR, MWI, PDM, TCG, and TOC.

3.5.2. Standard Price. This is the latest acquisition cost (LAC), plus cost recovery or surcharges (business overhead cost recovery at LAC and direct allocable cost recovery at LAC).

3.5.3. LAC. This is the price paid for an item the last time it was procured from a supplier. The price can be based on an earlier buy if the latest procurement is considered nonrepresentative. The price does not include any cost recovery or inflation. Inventory for serviceable and unserviceable XB/XF and serviceable XD budget code 8 items will be valued at LAC.

3.5.4. Exchange Price. This price is the latest repair cost (LRC), plus the direct allocable cost recovery at LRC, and the business overhead cost recovery at LRC, plus material cost recovery. Exchange price is used to charge or credit customers for serviceable MSD XD assets.

3.5.5. Extended Cost. This cost is computed by multiplying the price charged/credited by the quantity of that transaction. In the MSD program, on "No Credit" turn-ins, the cost reflected in the Carcass cost field is the same value as in the extended cost field.

3.5.6. Latest Repair Cost. This cost is the latest depot repair cost or current year depot repair end item sales price.

3.5.7. Carcass Cost. The value of an asset when the latest repair cost, direct allocable cost recovery at LAC, and business overhead cost recovery at LAC have been removed from the standard price of the item. Unserviceable XD budget code 8 inventory is valued at carcass cost.

3.5.8. Obligation. At the time a due-out is established in the SBSS, funds are set aside from the PFMR for purchase (funds haven't physically been removed from the PFMR).

3.5.9. Deobligation. Funds are being credited back to the organization's PFMR through DOCs.

3.5.10. Charges. ISU, MSI, and DOR transactions are examples of charges. Property has been received and the PFMR is charged for that purchase.

3.5.11. Credits. The dollar value returned when due-outs are canceled or upon turn-in of serviceable items.

3.5.12. Phrases. The D26 not only selects MSD transactions but it also identifies the type of transactions that are actually processed. That is, whether it was issued at the standard or exchange price. The phrase for determining the type of charge or credit is provided in [Attachment 3A-3](#).

3.6. Turn-In Credit Policy.

3.6.1. Turn-in transactions that grant credit create a 1PU/GY transaction history. The extended cost on the GY transaction history is the figure credited to the customer account.

3.6.2. Serviceable turn-ins with DIFM status flag of 0 or 1 are granted credit at the exchange price.

3.6.3. No credit is granted for turn-ins with DIFM status flag of 3. DIFM status flag 3 details are free issue contract maintenance items.

3.6.4. Serviceable turn-ins with DIFM status flag 4 are granted credit at standard price. DIFM status flag 4 details are older than 60 days (excluding AWP days) and have been charged a total of standard price.

3.6.5. Unserviceable turn-ins with DIFM status flag 4 are granted credit at markup price. All other unserviceable MSD XD turn-ins with a DIFM DETAIL are considered noncredit, except when input credit code is a Y.

3.6.6. Serviceable turn-ins of XB or XF without a DIFM detail are credited at LAC when the credit indicator assigned is an A or the credit override Y is authorized.

3.6.7. Serviceable and unserviceable turn-ins of XD items without a DIFM detail are credited at carcass cost when the credit indicator assigned is an A or the credit override Y is authorized.

3.7. MSD Main Menu. The introduction/main menu screen will display the MSD options. This will provide the user the capability to execute the various functions of the MSD microcomputer software program (see [Attachment 3A-4](#) and [Attachment 3A-8](#)).

3.8. Errors DBF File. When an error is found in the text file that you are trying to import, then the program will give you an error message. The file will then be put into the subdirectory called "Errors". After everything is imported, the error table is exported into a text file called "Errors.txt". This file can then be modified and imported into the program.

ATTACHMENT 3A-1

DOWNLOADING - USING INFOCONNECT "DATAEXPRESS"

3A1.1. Purpose. To download data files from the SBLC to a floppy disk or to the hard drive for use in a PC program.

3A1.2. Procedures For Downloading. Once you are in the Windows environment, click the "Start" button, then "Programs", "InfoConnect", and "DataXpress".

3A1.2.1. Take the cursor to the top-line menu and select "File", then "Mini-Terminal". Once the demand page comes up, use the following steps to open your session:

"\$OPEN XXXX" <TRANSMIT>

"PASSWORD" <TRANSMIT>

(Clear screen once your password has been excepted)

<TRANSMIT>

"ACCT. INDEX (1-5) = X" <TRANSMIT>

<TRANSMIT>

When the SOE comes up, use "IPF" to ensure there is something in that file.

Click the "CLOSE" option to close the session.

3A1.2.2. Go to the top-line menu and click "Transfer", then "download host file back to Micro".

Enter the Host file name

Enter the Micro file name

3A1.2.3. Click "option". Make sure the only blocks checked are "Add carriage returns to line feeds" and "Add MS-DOS end-of-file character".

3A1.2.4. The download is completed when you see 100 percent completed on the screen.

NOTE: Ensure your configuration is set as follows. To do this, go to the top-line menu, click "Preference", "Session", and then "Edit".

TRANSLATION TABLE - Only select "country" option.

HOST PARAMETER - Select "Demand" mode. For demand mode parameters, ensure the demand line has "@XQT 1CC*DX-UTILS.DXD".

HOST RESTRICTIONS - Select "Overwrite an existing host file".
The default file qualifier is "0gv00000".

COMMUNICATION - UPLOAD - Buffers = 2;
Characters per buffer = 3700

DOWNLOAD - Buffer = 5;

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Characters per buffer - 3700

TIMEOUTS = Normal = 60 seconds

TIP Special = 3 minutes

ATTACHMENT 3A-2

FORMATS FOR D26 MSDYYDDD.TXT AND MSDYYDDD.DBF FILES

3A2.1. Purpose. To provide an interface file for downloaded MSD transactions for upload to the MSD system.

3A2.2. Record Description. The record description for the MSDyyddd.TXT file is as follows:

Table 3A2.1. Record Format.

TITLE	POSITION	TYPE/CLASS
Stock Record Account Nbr (SRAN) (4)	001-004	Numeric
System _Designator (S/D), (2)	005-006	A/N
Project Funds Mgmt Record (PFMR) (3)	007-009	Numeric
Document Number (14)	010-023	A/N
Stock Number (15)	024-038	A/N
Transaction Date (5)	039-043	Numeric
Transaction Serial Nbr (5)	044-048	Numeric
Standard Reporting _Designator (SRD) (3)	049-051	A/N
Demand Code/Action Taken Code (1)	52	A/N
Transaction Exception Code (1)	53	Character
Transaction Identification Code(TRIC) (3)	054-056	A/N
Type Transaction Phrase Code (TTPC) (2)	057-058	A/N
Type Transaction Phrase (12)	059-070	Character
Nomenclature (12)	071-082	Character
Action Quantity (3)	083-085	Numeric
Unit of Issue (2)	086-087	Alpha
Supply Condition Code (1)	88	A
Latest Acquisition Cost (10)	089-098	Numeric
Standard _Cost (10)	099-108	Numeric
Markup Cost (10)	109-118	Numeric
Carcass Price (10)	119-128	Numeric
Exchange Cost (10)	129-138	Numeric
Extended Cost (10)	139-148	Numeric
Mark For (14)	149-162	A/N
Orig TRIC (3)	163-165	A/N
Expandability, Recoverability, Reparability Cost Designator (ERRCD)	166-169	A/N

ATTACHMENT 3A-3

CHARGES AND CREDITS

3A3.1. Purpose. To determine the applicable type of charge or credit. The phrase and selection criteria are provided below.

Table 3A3.1. Phrase and Selection Criteria.

PHRASE	SELECTION CRITERIA
CHARGE @ XCH	TRIC = 1PU and TRIC = 7Y and 901-ORIG-TRIC = ISU and 901-DEMAND not equal to I, J, K, L, or M. TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = MSI and Activity code not equal to C and 901-DEMAND not equal to I, J, K, L, or M.
RVP @ XCH	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = TIN and 901-FILLER-3 = E. TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = ISU and 901-DEMAND not equal to I, J, K, L, or M. TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = MSI and Activity code not equal to C and 901-DEMAND not equal to I, J, K, L, or M.
CREDIT @ XCH	TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = TIN and 901-FILLER-3 = E.
OBL @ XCH	TRIC = DUO and TTPC = 2D or 4W and 901-DEMAND not equal to I, J, K, L, or M and 901-TEX not equal to D or R and Activity Code = X or R or J.
CHARGE @ STD	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = ISU and 901-DEMAND = I, J, K, L, or M.
RVP @ STD	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = TIN and 901-FILLER-3 = S. TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = ISU and 901-DEMAND = I, J, K, L, or M.
OBL @ STD	TRIC = DUO and TTPC = 2D or 4W and 901 TEX not equal to D or R and 901-DEMAND = I, J, K, L, or M and Activity Code = X, R, J, or D.
UNOBL @ STD	TRIC = DOC and TTPC = 2C or 2A and 901-DEMAND = I, J, K, L, or M and Activity Code = X, J, R, or D.
UNOBL @XCH	TRIC = DOC and TTPC = 2C or 2A and 901-DEMAND not equal to I, J, K, L, or M and Activity Code = X, R, J.
CREDIT @ STD	TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = TIN and 901-FILLER-3 = S.
CREDIT @ MUP	TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = TIN and 901-FILLER-3 = M. TRIC = 1PU and TTPC = GY and 901-ORIG-IRC.
TIN NO CREDIT	TRIC = TIN and TTPC = 1B and 901-REASON-WHY-CODE= F, H, or K and 901-FILLER-1 not equal to 4 and 901-IEX not equal to B or 901-CREDIT-CODE not equal to Y. All prices will now contain the applicable price times the action quantity for multiple DIFM assets.
CHARGE @ STD	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = DOR and 901-DEMAND = I, J, K, L, M, or C and Activity code = X, J, R, or D.
RVP @ STD	If the above is true and TTPC = GY.
CHARGE @ STD	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = MSI and 901-DEMAND = I, J, K, L, or M and Activity code not equal to C.

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CREDIT @ STD	If the above is true and TTPC = GY.
CHARGE @ MUP	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = FUP. TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = IAD.
CHARGE @ STD	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = LVL- and Activity Code = X, J, R, or D and 901-DEMAND = I, J, K, L, or M.
RVP @ STD	If above is true but TTPC = GY.
CHARGE @ XCH	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = DOR and 901-DEMAND not equal to C, I, J, K, L, or M and Activity Code = X, J, R, or D.
RVP @ XCH	If the above is true and TTPC = GY.
CHARGE @ XCH	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = LVL and Activity Code = X, J, or R and 901-DEMAND not equal to I, J, K, L, or M.
RVP @ XCH	If above is true but TTPC = GY.
FREE ISSUE	TRIC = DUO and TTPC = 2D or 4W and Activity Code = X, J, R, or D, and 901-TEX = D or R.
RPV NO CREDIT	TRIC = TIN and TTPC = AB and 901-REASON-WHY-CODE = F, H, or K, and 901-FILLER-1 not equal to 4 and 901-IEX not equal to B, or 901-CREDIT-CODE not equal to Y.
CREDIT @ LAC	TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = TIN and 901-FILLER-3 = L.
RVP @ LAC	If the above is true and TTPC = 7Y.
CREDIT @ CAR	TRIC = 1PU and TTPC = GY AND 901-ORIG-TRIC = TIN and 901-FILLER-3 = C.
RVP @ CAR	If the above is true and TTPC = 7Y.

NOTES:

If Budget Code is 1 (NATO ONLY), the following transaction phrases apply:

Table 3A3.2. Phrase and Selection Criteria (continued).

PHRASE	SELECTION CRITERIA
CREDIT @ FAC	TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = TIN and 901-FILLER-3 (1 ST position) = F.
RVP @ FAC	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = TIN and 901-FILLER-3 (1 ST position) = F.
CREDIT @ STD	TRIC = 1PU and TTPC = GY and 901-ORIG-TRIC = TIN and 901-FILLER-3 (1 ST position) = S.
RVP @ STD	TRIC = 1PU and TTPC = 7Y and 901-ORIG-TRIC = TIN and 901-FILLER-3 (1 ST position) = S.
NO CREDIT	TRIC = TIN and TTPC = 1B and 901-ISSUE-PRIORITY(1 ST position) = D.

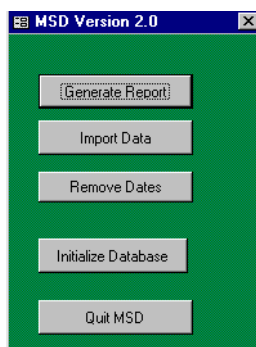
ATTACHMENT 3A-4

MSD MAIN MENU

3A4.1. Purpose. To provide the user a display of the MSD options and various functions of the MSD microcomputer software.

3A4.2. Access. Once you click the “Continue” button on the Introduction Screen, the Main Menu automatically displays.

Figure 3A4.1. MSD Main Menu Screen.



ATTACHMENT 3A-5

GENERATE REPORT

3A5.1. Purpose. To allow the user to select records by various selection criteria entries and accumulate actual credits under the proposed MSD environment.

3A5.2. Access. Access to this screen is by clicking on “Generate Report” on the Main Menu.

Figure 3A5.1. Generate Report Screen.

The screenshot shows a window titled "Selection Criteria" for "Material Support Division v2.0". It features a green background. At the top, it displays "Dates available for report generation: 1996024 to 1997273". Below this are several input fields arranged in two columns. The left column includes "Start Date" (1996024), "End Date" (1997273), "SRAN", "Document Number", "PFMR" (with a checkbox icon), "Org/Shop", and "Activity Code". The right column includes "Demand Code", "ERRCD", "SRD", "Action Taken Code", "Stock Number", and "Transaction Phrase Code". At the bottom of the window are two buttons: "Main Menu" and "Continue".

3A5.3. Generating a Report. Use the following criteria to generate a report:

3A5.3.1. Start Date. This is a 7-position Julian date representing the earliest date loaded in your database.

3A5.3.2. End Date. This is a 7-position Julian date representing the latest date loaded in your database.

3A5.3.3. Stock Record Account Number (SRAN). Click the arrow for this field, and it displays a list of all SRANs currently loaded in your database. Then click the one that you want to run the report against.

3A5.3.4. Document Number. Click the arrow for this field, and it displays all the document numbers currently loaded. Then click the one that you want to run the report against.

3A5.3.5. Project Fund Management Report (PFMR). Click the box for PFMR. A “PFMR Screen:Form” screen appears giving the resource advisors the option to load up to 20 PFMRs at a time for a report. PFMRs that are already available in your database show on the right of the screen.

3A5.3.6. Organization/Shop Code. Click the arrow for this field, and it will display all the org/shop codes currently loaded. Then click the one that you want to run the report against.

3A5.3.7. Activity Code. Click the arrow for this field. It will display a couple of options:

3A5.3.7.1. Selecting “All but the C” option allows you to run your report on all activity codes except “C”.

3A5.3.7.2. Select “Other Combination” to input the activity codes that you want. A screen displays that allows you to input up to three (3) activity codes. Then click “Continue” to continue with your report criteria.

3A5.3.8. Demand Code. Click the arrow for this field, and it displays all the demand codes currently loaded in your database.

3A5.3.9. Expendability, Recoverability, Reparability Cost Designator (ERRCD). Click the arrow for this field, and it displays the ERRCDs loaded in your database. **NOTE:** Transactions before 1 Oct 97 will not reflect an ERRCD.

3A5.3.10. Action-Taken Code (ATC). Click the arrow for this field, and it displays the action-taken codes loaded in your database.

3A5.3.11. Stock Number. Click the arrow for this field, and it displays, in stock number sequence, all the national stock numbers loaded in your database.

3A5.3.12. Transaction Phrase. Click the arrow for this field and it displays the transaction phrases loaded in your database.

3A5.4. Beginning the Report. Once all the selection criteria have been selected, click the “Continue” button to begin the report. When the report is completed, a Summary Screen is displayed which reflects the summary portion of your report. This screen gives you the following six (6) options:

Figure 3A5.2. Summary Screen Display.

	Credit	Charge	Obligated	Unobligated	Reverse Post
Exchange	\$0.00	\$26,412.48	\$0.00	\$0.00	\$0.00
Standard	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Markup	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Repair	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Totals	\$0.00	\$26,412.48	\$0.00	\$0.00	\$0.00
No Credit	\$0.00	No Charge	\$0.00	No Credit RVP	\$0.00
Charge - Credit :		\$26,412.48			
Obligated - Unobligated :		\$0.00			
Deobligated		\$0.00			

Buttons: Back to Generate, Main Menu, Preview Summary Report, Preview Detail Report, Print Summary Report, Print Detail Report

3A5.4.1. The “Back to Generate” option takes you to the beginning of the “Generate Report” screen.

3A5.4.2. The “Main Menu” option takes you to the Main Menu.

3A5.4.3. The “Preview Summary Report” option allows you to see the report before printing it.

3A5.4.4. The “Preview Detail Report” option allows you to see the report before printing it. It asks for System Designator, Demand Code, and ERRCD parameters.

3A5.4.5. The “Print Summary Report” option automatically sends your report to the designated printer.

3A5.4.6. The “Print Detail Report” option automatically sends your report to the designated printer.

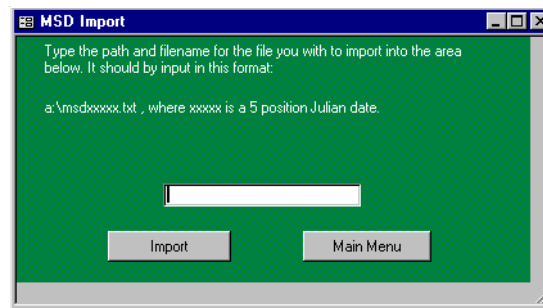
ATTACHMENT 3A-6

IMPORT OPTION

3A6.1. Purpose. To provide the user the ability to add records generated from the D26/NGV798 program on the U2200 mainframe computer to the MSD master database file.

3A6.2. Access. Access to this screen is by clicking on the “Import” option from the Main Menu.

Figure 3A6.1. Import Option Screen.



3A6.3. File Location and Name. Enter the location of your file and the file name. Then click “import” to start building the file into your database.

3A6.4. Main Menu Option. The Main Menu option takes you back to the program's Main Menu Screen..

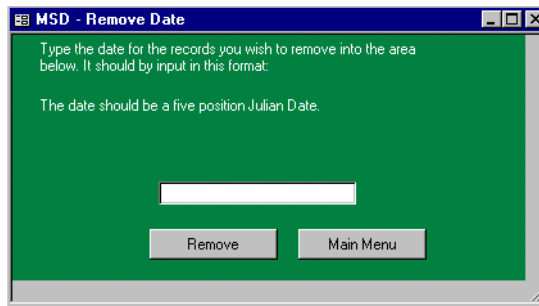
ATTACHMENT 3A-7

REMOVE DATES

3A7.1. Purpose. To provide the user the capability to selectively remove records from the MSD database and store them in the original .TXT format.

3A7.2. Access. Access to this screen is from the Main Menu. Click on the “Remove” option.

Figure 3A7.1. Remove Date Option Screen.



3A7.3. Deletion of Data. Enter a 5-position Julian date. Then click “Remove” to take the date out of the database. The message “Remove Successful...The date(s) have been removed” displays. Click “OK”, and you will return to the Main Menu.

3A7.4. Permanent Deletion of Dates. When removed, the date(s) is/are permanently deleted. If you do not have the original text file for this date, then you will not be able to reload it.

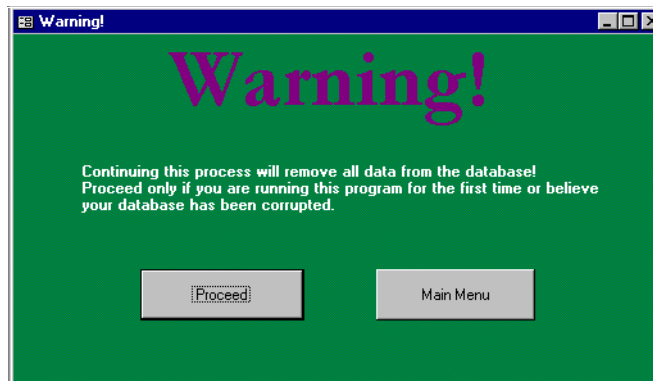
ATTACHMENT 3A-8

INITIALIZE DATABASE

3A8.1. Purpose. To provide the users the capability to remove their entire database in case of corrupted data.

3A8.2. Access. To access, go to the Main Menu and click “Initialize Database”.

Figure 3A8.1. Initialize Database Option Screen.



3A8.3. Initialize Database. When this option is taken, you are given the choice to either import your database files from the previous MSD program for an initial load or you can delete all data from your database.

3A8.3.1. Click on “Proceed”. You are then prompted with a message stating, “Would you like to import all the data in the C:\MSD\DATA directory now?”

3A8.3.1.1. If you click “Yes”, this will start the import of your data files currently located in C:\MSD\DATA directory. Once completed, it will prompt you with a message stating that “import was successful”. Click “continue” and it will take you back to the main menu to generate your report.

3A8.3.1.2. If you click “No”, this will delete all data currently loaded in this version of the program.